TABLE OF CONTENTS

Volume 197

ARTICLES

ABBEY, T. M., BESTMAN, A. R., and MBELEDOGU, U. / The Flow of a Two-Component Plasma Model in a Porous Rotating Hot Sphere 61

BERNABEU, G. / Stellar Wind Velocities and the Radiation-Driven Winds Theory for O Stars 237

CALABRÓ, E. and MAMMANO, A. / Forbidden High Excitation Lines and TiO Bands in the Symbiotic System QW Sge = MHα80-5 251

CAMACHO, A. and OBREGÓN, O. / Bulk Viscosity, Kaluza-Klein Models and Inflation 225

CHERMYANIN, S. I. / A New Type of Solution of the Schwarzschild Problem for a Point-Source 233

DJURAŠEVIĆ, G. / An Analysis of Active Close Binaries (CB) Based on Photometric Measurements 17

DOORISH, J. F. / The Analytical Solution of the Stellar Interior Equations for Approximating Stellar and Protostellar Structure 213

EL-LABANY, S. K. and SHEIKH, A. E. / Ion-Acoustic Solitons in a Warm Plasma Including Negative Ions in the Vicinity of Critical Density 289

ESENDEMIR, E. and ALEV, H. M. / X-Rays vs HeII δ1640 Å Correlation of II Peg 35

FAN, J. H., XIE, G. Z., WANG, Y. J., and WU, J. Q. / The Light Curved in the CM Field 269

GAUR, V. P., JOSHI, G. C., and PANDE, M. C. / A Possible Presence of HeH^+ in White Dwarfs 57

GERGEEV, S. G. / Variations of the Broad Hα Line Profile in NGC4151 as an Evidence for the Complex Kinematics of Gas in the Nucleus 77

HAUBOLD, H. J. and MATHAI, H. M. / Analytic Stellar Structure 153

JUFU LU and CHUNYAN WEI / Orbits of Fluid Elements Accreting Onto A Black 283

KARANJAI, S. and TALUKDER, M. / Solution of the Equation of Transfer with General Phase Function by a Modified Spherical-Harmonic Method 309

KATZ, J. I. / The Ptolemaic Gamma-Ray Burst Inverse 163

KURTADIKAR, M. L. and MEHROTRA, S. C. / Collisional Excitation of Interstellar Molecules 3

PRICE P. B., LOWDER, D. M., WESTPHAL, A. G., WILKES, R. D., BRENNEN, R. A., AFANASYEV, V. G., AKIMOV, V. V., RODIN, V. G., BARYSHINIKOV, G. K., GORSHKOV, L. A., SHETS, N. I. and TSIGANKOV, O. S. / TREK: a Cosmic-Ray Experiment on the Soviet Space

Station MIR 121
SAMOKHIN, M. V. / Currents in the Ideal Frozen-In Plasma Moving with the Velocity Being Arbitrary on the Direction across the Magnetic Field 299
SANIGA, M. / Sunspot-Connected Prominences as Manifestation of a Topological Nontriviality of the Spot Higgs Vacuum within an Abelian Higgs Model 109
SHARMA, A. C. and SRIVASTAVA, K. M. / Alfvénic Drift Kelvin-Helmholtz Instability in the Presence of an Equilibrium Electric Field 145
SHARMA, A. C. and SRIVASTAVA, K. M. / Drift Kelvin- Helmholtz Instabilities in Space Plasmas 43
SOKOLOV, V. V. / Nonlinear Gravidynamics: Energy-Momentum Tensor of Collapsar Field 87
SOKOLOV, V. V. / On the Properties of the Strong Static Field of a Collapsar in Gravidynamics 179
TAKASHIMA, T. and MASUDA, K. / Simulation of Atmospheric Effect on the Emergent Radiation over a Circular Lake 257

LETTERS TO THE EDITOR

BARLAS, O. and ALTAŞ, L. / The Duration of Spotless Flares 337
SKALSKÝ, V. and SÚKENÍK, M. / Boltzmann Constant in the Model of Expansive Non-Decelerative Universe 343

The Use of the "SPACEKAP" Style File for Delivering Manuscripts in LaTeX 167, 347
List of Forthcoming Papers 165, 353
Volume Contents 355